

ABSTRACT

Disclosed is a micromachine as a high-frequency filter which includes a high Q value and is suitable for higher frequency bands. The micromachine (1) includes an output electrode (7) formed on a substrate (5), an interlayer insulating film (9) which covers the substrate (5) and includes an opening (9a) whose bottom is the output electrode (7), and a beltlike resonator electrode (11) so formed on the interlayer insulating film (9) as to traverse above the space (A) in the opening (9a), with the resonator electrode (11) being concave toward the opening (9a) along the side wall of the opening (9a).